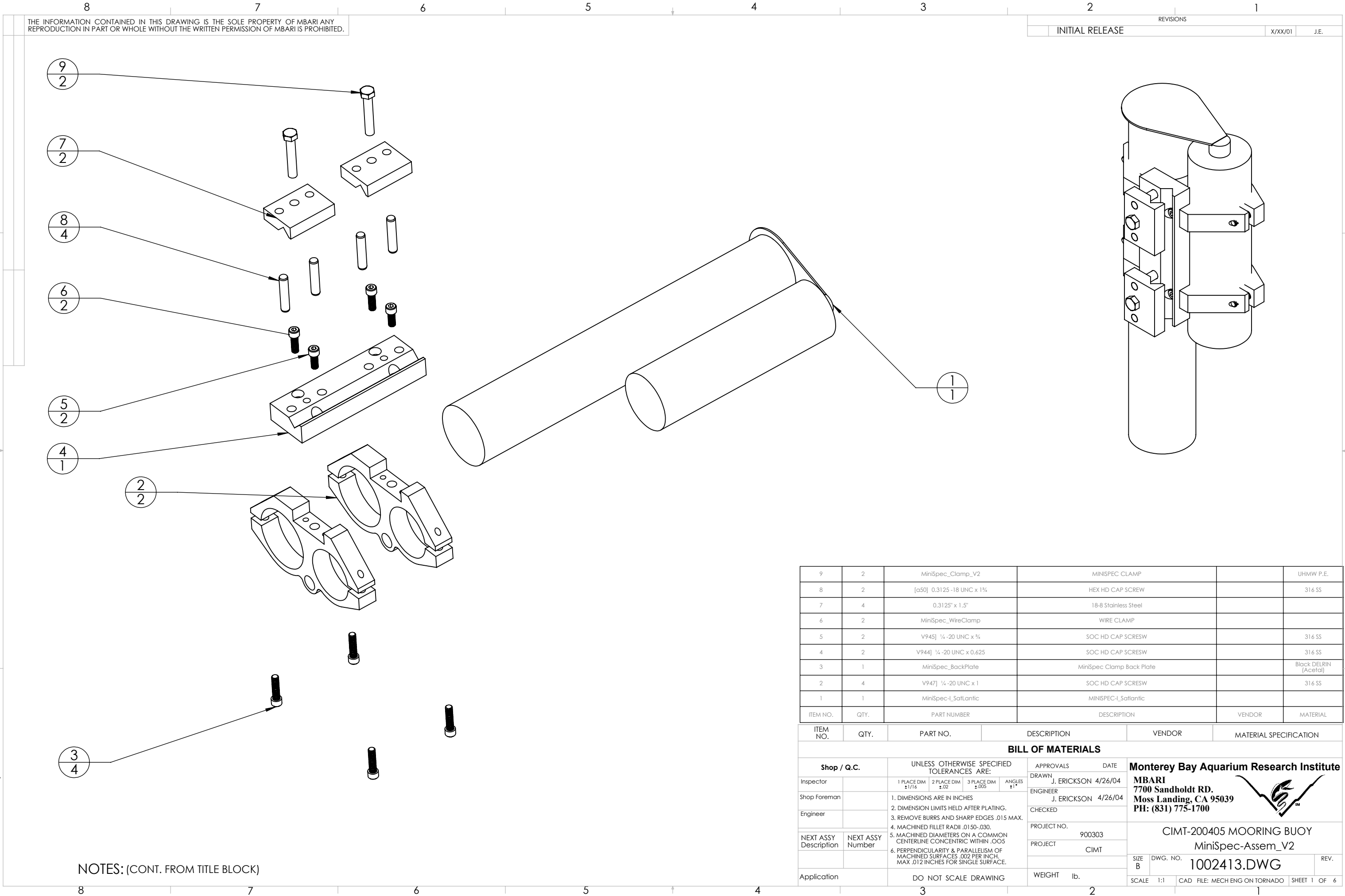




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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

9	2	MiniSpec_Clamp_V2	MINISPEC CLAMP		UHMW P.E.
8	2	[a50] 0.3125 -18 UNC x 1 1/4	HEX HD CAP SCREW		316 SS
7	4	0.3125" x 1.5"	18-8 Stainless Steel		
6	2	MiniSpec_WireClamp	WIRE CLAMP		
5	2	V945] 1/4 -20 UNC x 3/4	SOC HD CAP SCRESW		316 SS
4	2	V944] 1/4 -20 UNC x 0.625	SOC HD CAP SCRESW		316 SS
3	1	MiniSpec_BackPlate	MiniSpec Clamp Back Plate		Black DELRIN (Acetal)
2	4	V947] 1/4 -20 UNC x 1	SOC HD CAP SCRESW		316 SS
1	1	MiniSpec-L_SatLantic	MINISPEC-L_SatLantic		
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	VENDOR	MATERIAL

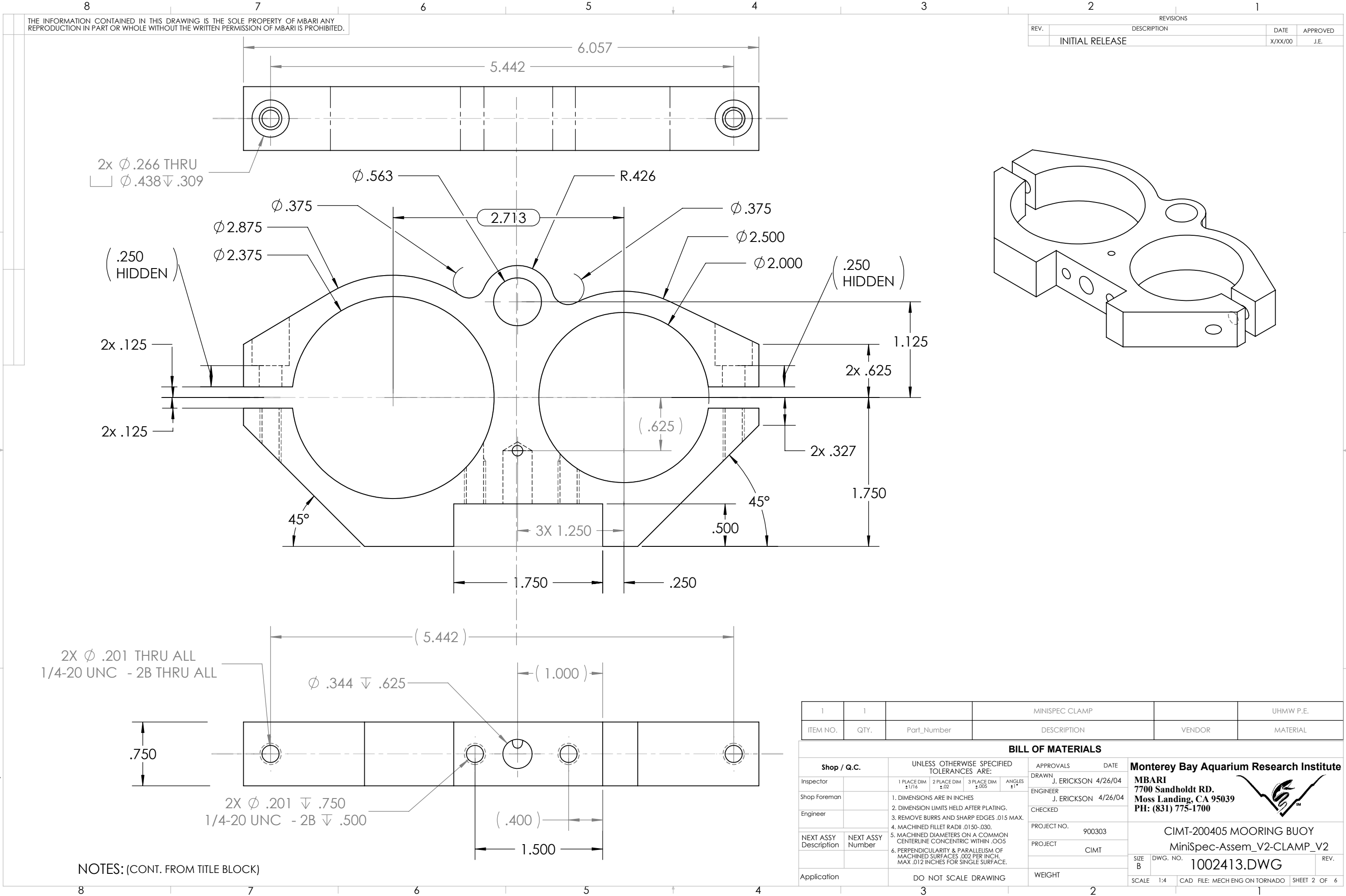
ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH MAX .012 INCHES FOR SINGLE SURFACE.			DRAWN J. ERICKSON 4/26/04
Engineer					ENGINEER J. ERICKSON 4/26/04
					CHECKED
					PROJECT NO. 900303
NEXT ASSY Description	NEXT ASSY Number				PROJECT CIMT
Application		DO NOT SCALE DRAWING			WEIGHT lb.
					Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
					
					CIMT-200405 MOORING BUOY MiniSpec-Assem_V2
SIZE B		DWG. NO. 1002413.DWG			REV.
SCALE 1:1		CAD FILE: MECH ENG ON TORNADO			SHEET 1 OF 6

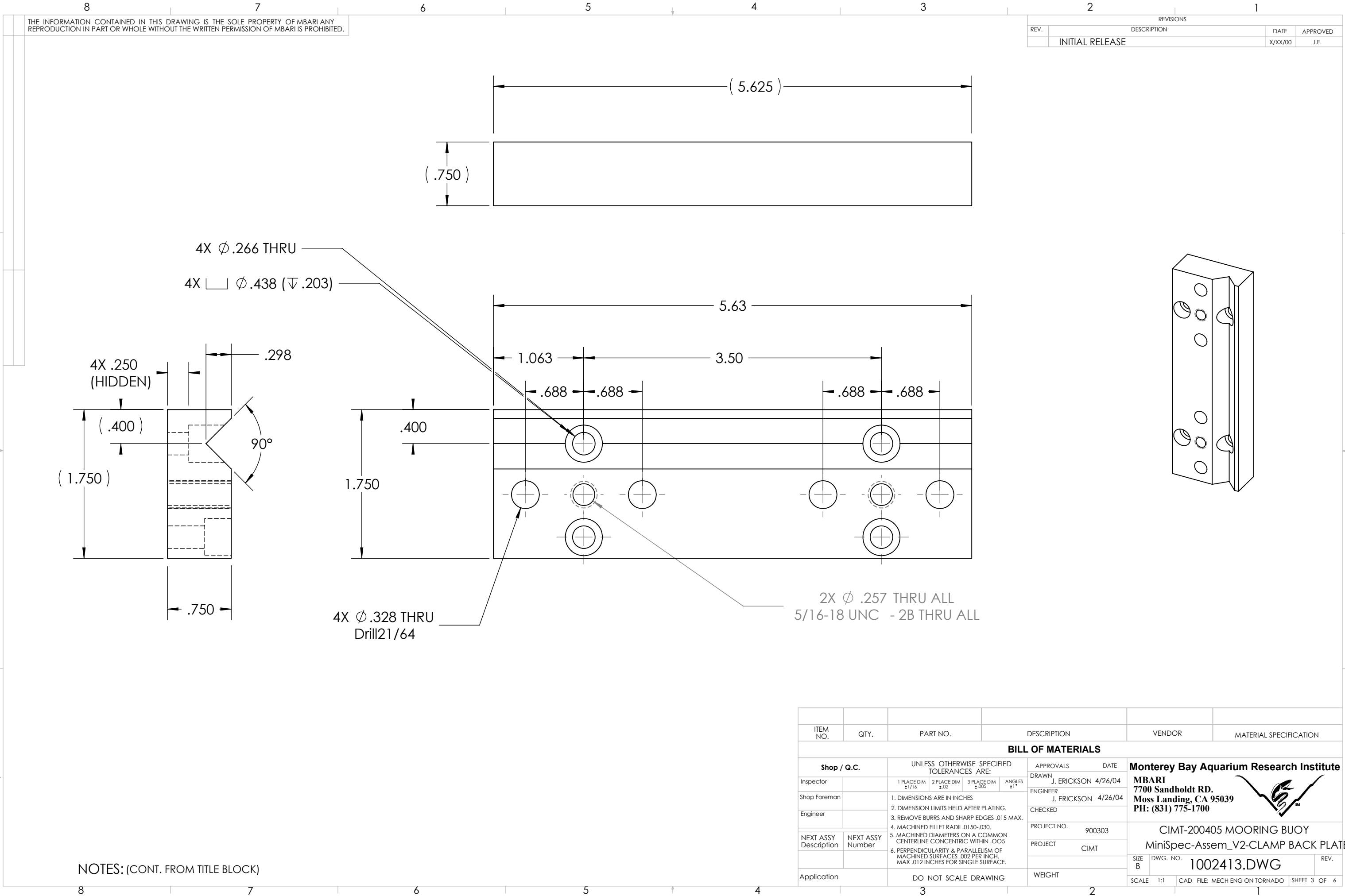
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MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700



CIMT-200405 MOORING BUOY
MiniSpec-Assem_V2

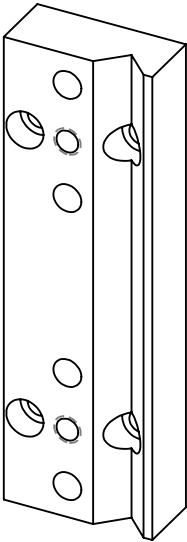
NOTES: (CONT. FROM TITLE BLOCK)





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REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



4X .250
(HIDDEN)

4X ϕ .266 THRU

4X $\square$ ϕ .438 (V.203)

4X ϕ .328 THRU
Drill21/64

2X ϕ .257 THRU ALL
5/16-18 UNC - 2B THRU ALL

NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		DRAWN	J. ERICKSON 4/26/04
Engineer				ENGINEER	J. ERICKSON 4/26/04
				CHECKED	
NEXT ASSY Description	NEXT ASSY Number			PROJECT NO.	900303
				PROJECT	CIMT
				SIZE B	DWG. NO.
Application		DO NOT SCALE DRAWING		WEIGHT	
				SCALE 1:1	CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 6

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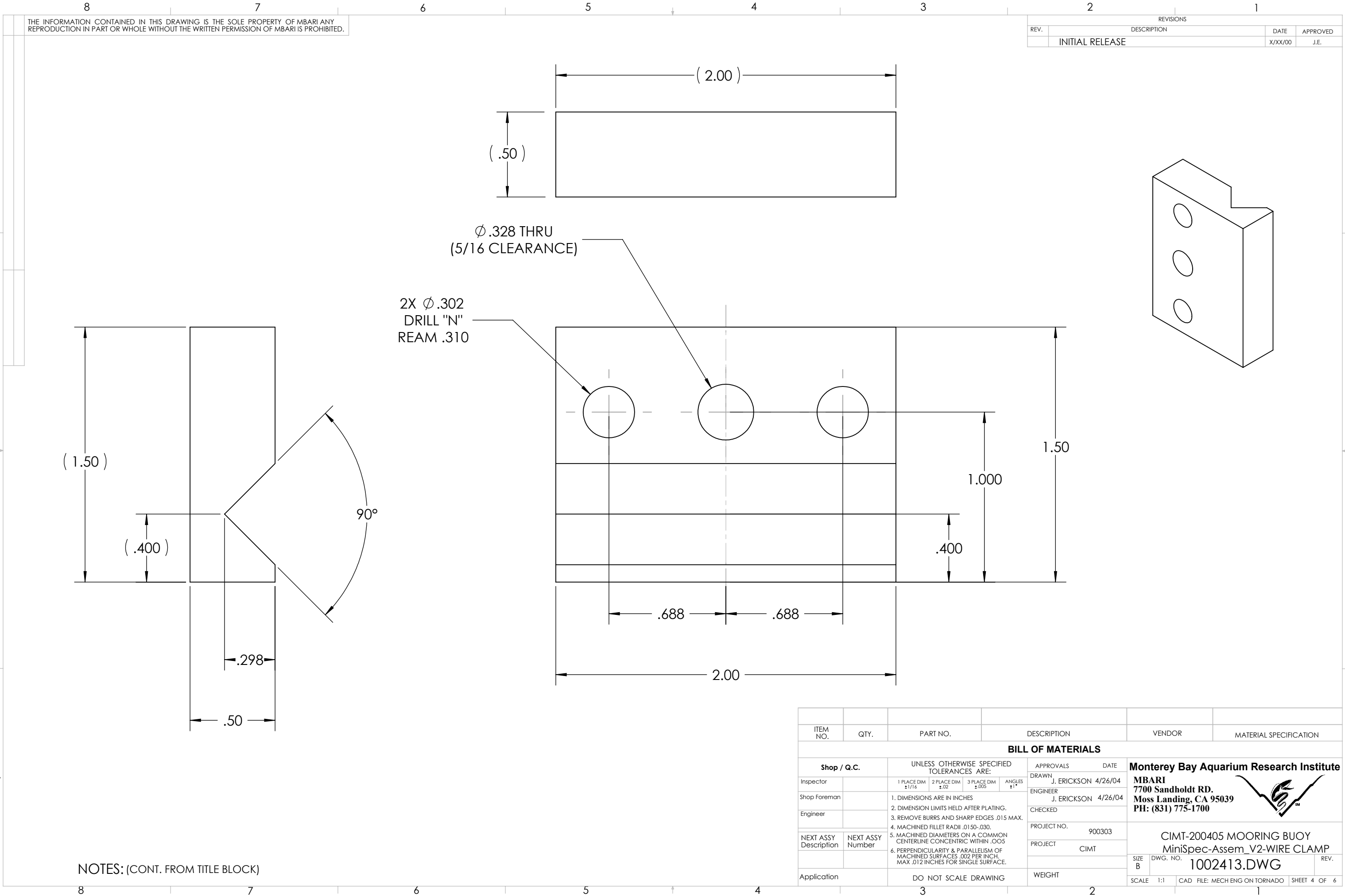
CIMT-200405 MOORING BUOY

MiniSpec-Assem_V2-CLAMP BACK PLAT

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CIMT-200405 MOORING BUOY
MiniSpec-Assem_V2-CLAMP BACK PLATE

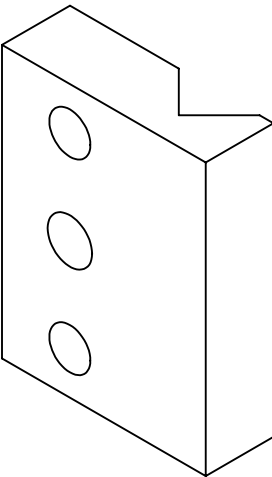


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

Ø .328 THRU
(5/16 CLEARANCE)

2X Ø .302
DRILL "N"
REAM .310



(1.50)

(.400)

90°

.298

.50

(.50)

(2.00)

1.000

.400

1.50

.688

.688

2.00

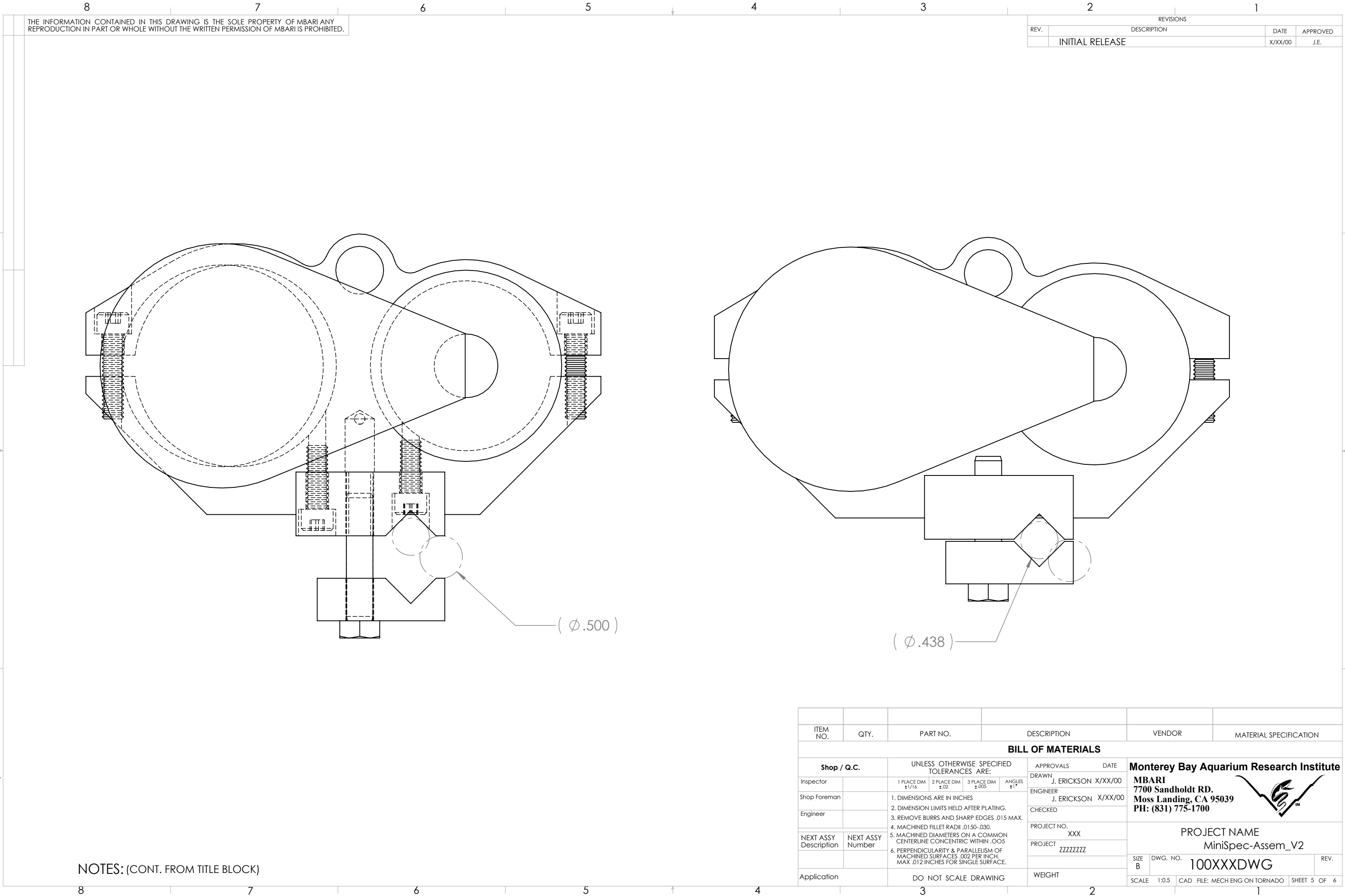
NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ± 1/16	2 PLACE DIM ± .02	3 PLACE DIM ± .005	ANGLES ± 1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DRAWN J. ERICKSON 4/26/04	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER J. ERICKSON 4/26/04	
NEXT ASSY Description		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED	
NEXT ASSY Number		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO. 900303	
Application		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT CIMT	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		WEIGHT	
		DO NOT SCALE DRAWING		SCALE 1:1	
				CAD FILE: MECH ENG ON TORNADO	
				SHEET 4 OF 6	

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CMT-200405 MOORING BUOY
MiniSpec-Assem V2-WIRE CLAMP
SIZE B DWG. NO. 1002413.DWG REV.



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	DRAWN J. ERICKSON	X/XX/00
Shop Foreman		1. DIMENSIONS ARE IN INCHES	3 PLACE DIM ±.005	ENGINEER J. ERICKSON	X/XX/00
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.	ANGLES ±1°	CHECKED	
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT NO. XXX	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT ZZZZZZZ	
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			
Application		DO NOT SCALE DRAWING	WEIGHT		
				SIZE B	DWG. NO. 100XXXDWG
				SCALE 1:0.5	CAD FILE: MECH ENG ON TORNADO SHEET 5 OF 6

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PROJECT NAME
MiniSpec-Assem_V2

